

ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES

A EUROPEAN JOURNAL

VOLUME 13

JANUARY 1974 – MARCH 1974

Astronomy & Astrophysics Supplement Series

A European Journal

Scientific organizations in Belgium, France, Germany, Italy, the Netherlands, the Scandinavian countries, and Switzerland are combining their efforts in this enterprise with the administrative support of the European Southern Observatory (ESO). These scientific organizations have appointed the

Board of Directors

Chairman: A. Blaauw (*ESO*)
Vice Chairman: H. Elsässer, *Germany*
Secretary and Treasurer: vacancy

Y. Andrillat, *France*
L. Biermann, *Germany*
H. G. van Bueren, *The Netherlands*
H. C. van de Hulst, *The Netherlands*
R. Kippenhahn, *Germany*
J. Kovalevsky, *France*
G. Larsson-Leander, *Sweden*
W. Priester, *Germany*
A. Reiz, *Denmark*
L. Rosino, *Italy*
E. Schatzman, *France*
G. Setti, *Italy*
J. L. Steinberg, *France*
U. Steinlin, *Switzerland*
A. G. Velghe, *Belgium*

Board of Editors

K. Bahner, *Heidelberg*
J. E. Baldwin, *Cambridge*
B. Baschek, *Heidelberg*
W. Becker, *Basel*
E. J. Blum, *Meudon*
K. H. Böhm, *Seattle*
J. Borgman, *Roden*
E. M. Burbidge, *Hailsham*
G. M. Clemence, *New Haven*
O. J. Eggen, *Woden*
W. Fricke, *Heidelberg*
V. L. Ginzburg, *Moscow*

M. Hénon, *Nice*
J. T. Jefferies, *Honolulu*
F. D. Kahn, *Manchester*
F. Kerr, *Maryland*
K. O. Kiepenheuer, *Freiburg*
H. van der Laan, *Leiden*
P. Ledoux, *Liège*
J. Lequeux, *Meudon*
L. Mestel, *Manchester*
P. G. Mezger, *Bonn*
B. Morando, *Paris*
F. Pacini, *Frascati*

Editors-in-Chief 1973-1976

S. R. Pottasch
Kapteyn Astronomical Institute
P.O. Box 800
Groningen 8002, *The Netherlands*

J. Heidmann
Observatoire de Meudon
F-92 Meudon, *France*

Managing Editor

B. Hauck
Institut d'Astronomie de
l'Université de Lausanne et
Observatoire de Genève
CH-1290 Sauverny, *Switzerland*

B. E. J. Pagel, *Hailsham*
L. Plaut, *Groningen*
F. Praderie, *Meudon*
M. S. Roberts, *Green Bank*
M. Schmidt, *Pasadena*
F. Spite, *Meudon*
A. B. Underhill, *Goddard Space
Flight Center*
H. van Regemorter, *Meudon*
L. Woltjer, *New York*
J. P. Zahn, *Nice*
C. Zwaan, *Utrecht*

Published by the Astronomical Institute Lausanne and Geneva Observatory, Switzerland, on behalf of the Board of Directors

Copyright © by the European Southern Observatory (ESO)

Printed by Imprimeries Réunies, Lausanne, Switzerland

P. Véron, P. Véron and A. Witzel spectra of 373 radio sources	1
Alcaino Globular Cluster NGC 2298	55
Baize orbital elements of twelve visual double stars	65
B. Sanwal, M. B. K. Sarma, M. Parthasarathy and K. D. Abhyankar —18° 3437, a new short period eclipsing binary	81
B. Sanwal and M. Parthasarathy UBV photometry of EU Tau	91
Muller orbit of the Binary Mlr 4	99
C. D. Abhyankar, M. Parthasarathy, N. B. Sanwal and B. K. Sarma UBV photometry of RV CrV	101
Bisiacchi, U. Flora and M. Hack spectrographic observations of the 1971 eclipse of 32 Cygni	109
Ibanoglu photometric orbit of VZ CVn and the variation of its light curve	119
Muthsam and K. D. Rakos differential <i>UBV</i> photometry of SW Lac	127
Koester <i>UBV</i> observations of Mira variables near maximum light	133
Auner photographic photometry of the Galactic Cluster NGC 6819	143
h. Fehrenbach and M. Duflot radial velocities from objective-prism plates in the direction of the Large Magellanic Cloud. List of 398 stars, LMC members. List of 1434 galactic stars, in the LMC direction	173
Barbieri and P. Benvenuti Studies of Blue Objects at High Galactic Latitudes. III. Faint Blue Objects in the field of D + 15° 2469	269

Erratum: R. Barbon and S. M. Hassan

A study of the Open Cluster NGC 1778

O. Koutchmy and S. Koutchmy

The coronal aureola in the time of total solar eclipse

G. Alcaïno

UBV photometry on thirty-eight southern galaxies

K. C. Leung

Binary systems in star clusters. I. V701 Sco

L. E. Berg and L. Klynning

New laboratory measurements of the $A^2\Pi - X^2\Sigma$ and $B^2\Sigma - X^2\Sigma$ transitions of CaH

G. Alcaïno

The Globular Cluster NGC 4372

J. Andersen

Radial velocities of three visual binaries

C. G. T. Haslam, W. E. Wilson, D. A. Graham and G. C. Hunt

A further 408 MHz survey of the northern sky

G. Hilaire

Observations of occultations of stars by the moon

B. Cester and M. Pucillo

Photoelectric observations of β Lyr in 1971